



Sheet 33 of 112



THE PORT AUTHORITY  
OF NY & NJ

CONFORMED DRAWING  
02/03/98  
SIGNED AND SEALED  
COPY IS KEPT ON FILE

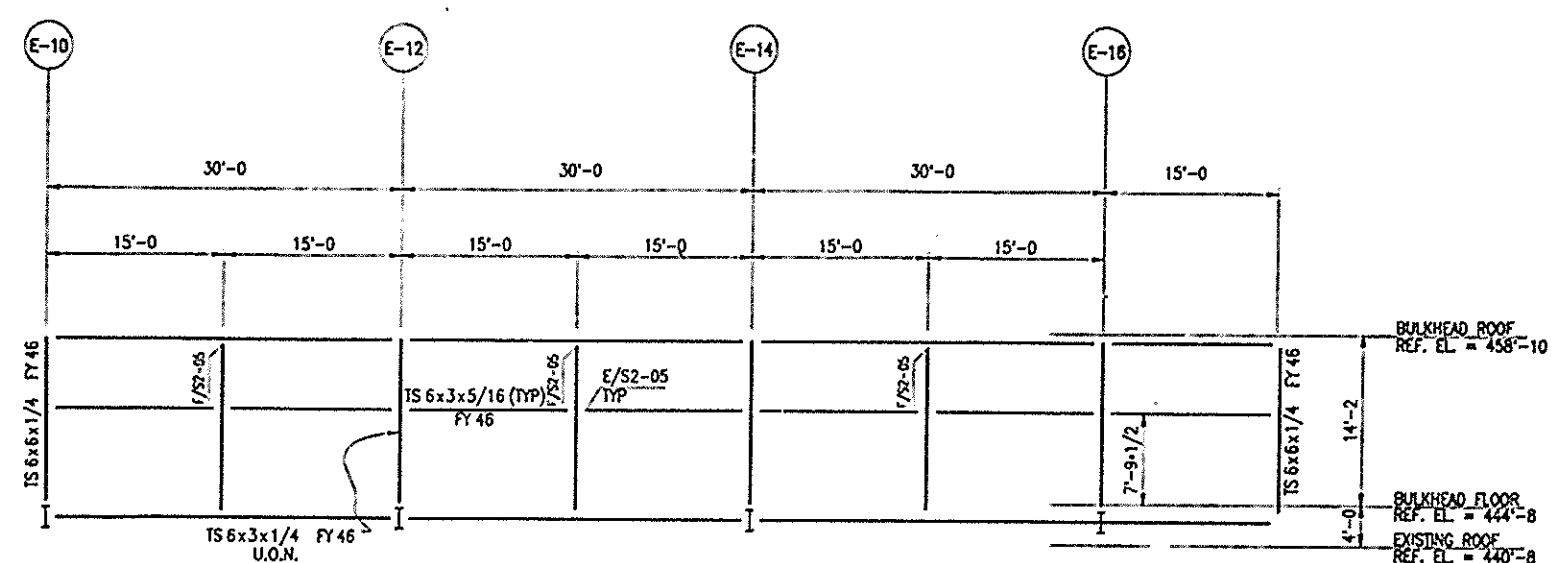
ORIGINAL SIGNED & SEALED BY  
N.Y. P.E. (OR R.A.)

Joseph R. Loring  
& Associates, Inc.  
consulting engineers

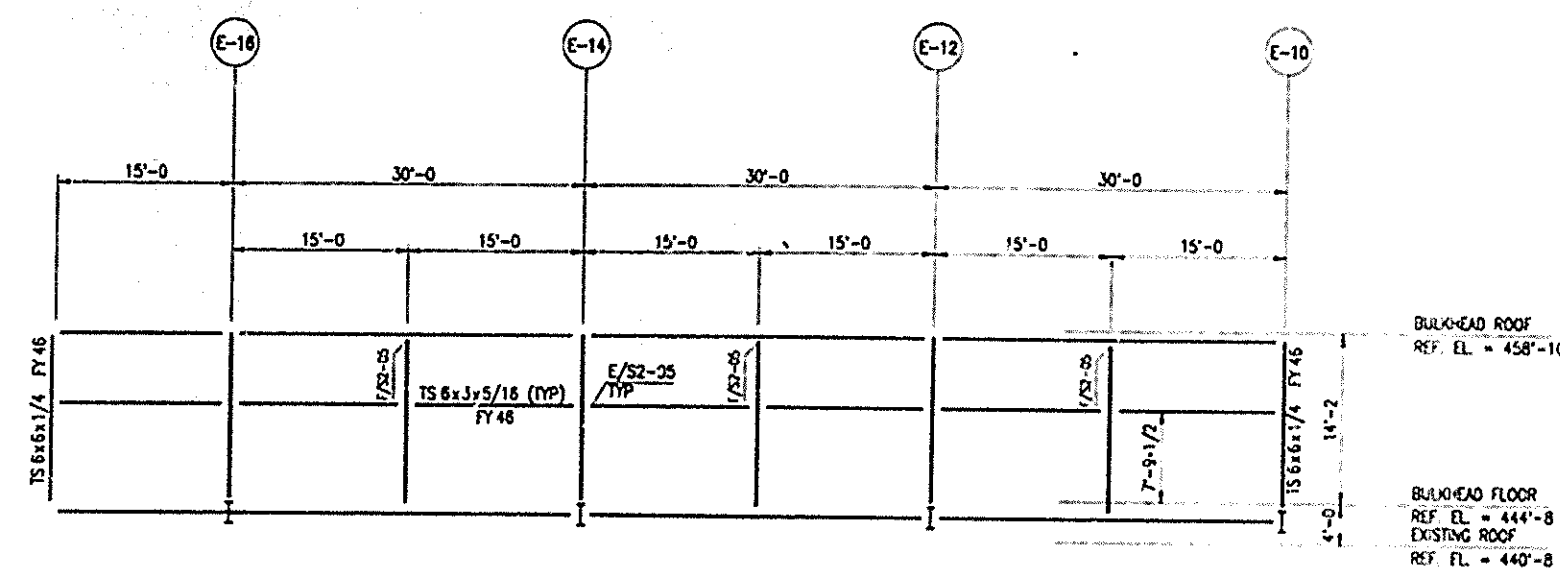
One Pennsylvania Plaza  
New York, New York 10007-0045  
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THE OFFICE OF  
DAVID  
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P.C.  
STRUCTURAL ENGINEERS  
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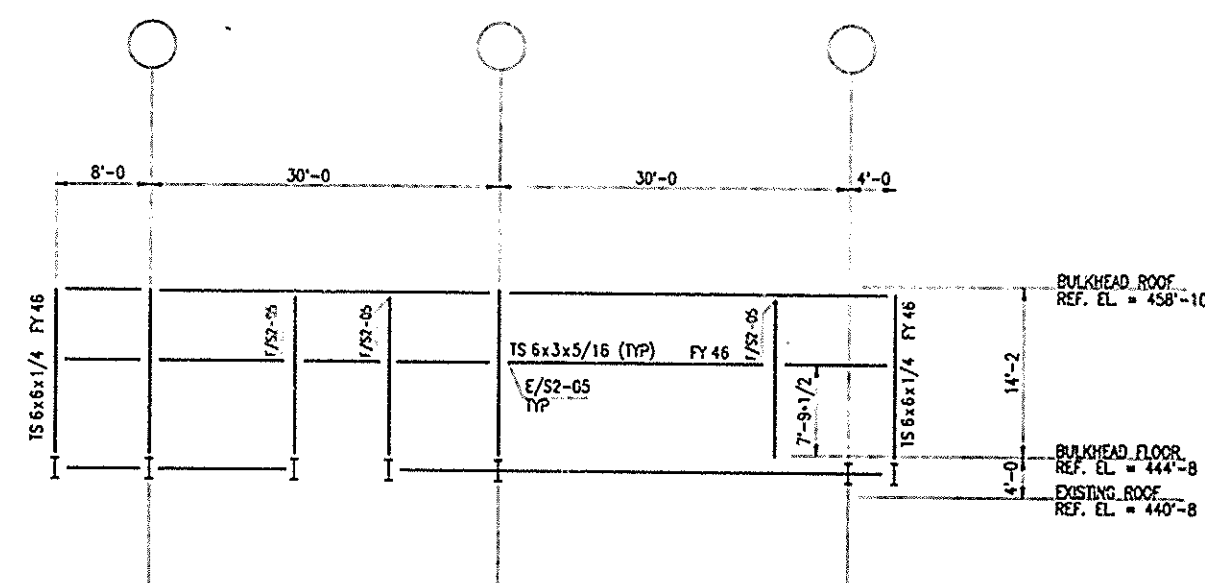
LESLIE E. ROBERTSON  
ASSOCIATES, R.L.L.P.  
CONSULTING STRUCTURAL ENGINEERS  
30 BAY 8TH STREET  
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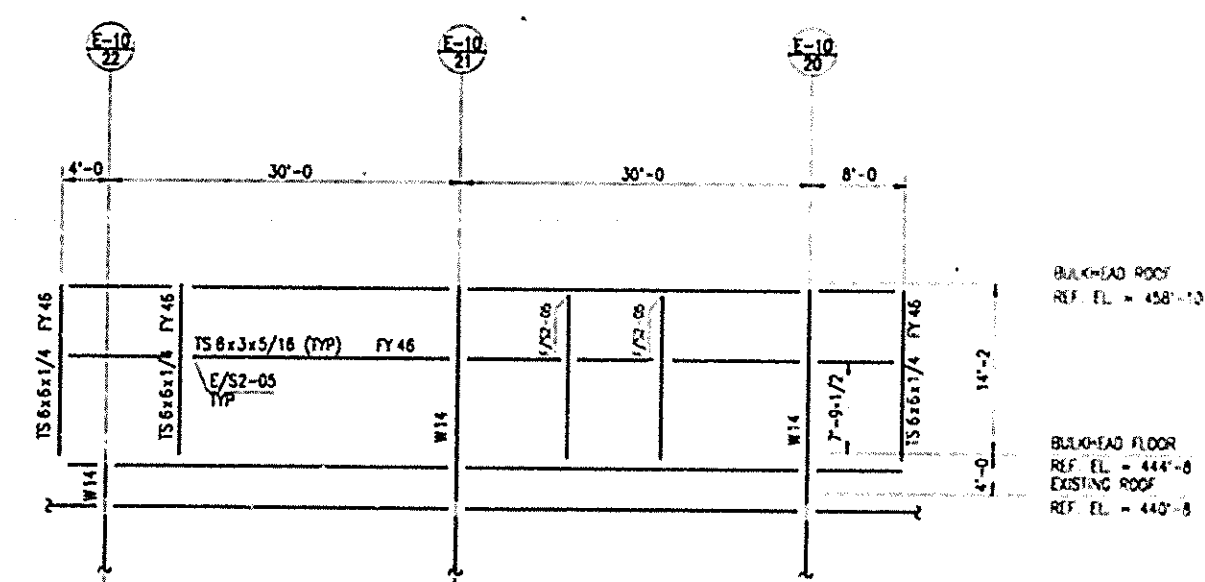
WEST ELEVATION



EAST ELEVATION



SOUTH ELEVATION



NORTH ELEVATION

- NOTES:
1. FOR FLOOR FRAMING AT EXISTING ROOF, REFER TO DRAWING S2-01. FOR FLOOR FRAMING AT BULKHEAD FLOOR AND BULKHEAD ROOF, REFER TO DRAWING S2-02.
  2. FOR W14 COLUMNS, SEE DRAWINGS S2-01 AND S2-02.
  3. ALL TS MEMBERS ARE GALVANIZED.

No.	Date	Revision	Approved
1	11/17/97	ISSUED FOR 3D	

Engineering Department  
Design Divisions

The  
World  
Trade  
Center

STANDBY POWER  
5 WORLD TRADE CENTER

STRUCTURAL  
5WTC BULKHEAD  
ELEVATIONS

This drawing subject to conditions in contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

DESIGNED BY: [Signature] CHECKED BY: [Signature]

Date: 11/17/97 Scale: AS NOTED

Contract Number: WTC-845.071 Drawing Number: 82-03

